RTCA SC-186, Subgroup: WG-4B (STP)

Number	Assigned	Description	Assignee	Due Date	Comment	Status
AI-1-01	2/2/2004	Research the AIR/AFS consensus opinion on the need for system independence between surveillance and navigation.	Paul Sanmarant	4/5/2004		OBE
AI-1-02	2/2/2004	Have administrative support develop spreadsheet that contains all requirements ("**shall"s**, "**should"s** and possibly "**will"s**) from ASA MASPS.	Jonathan Hammer	?		Closed
AI-1-03	2/2/2004	Draft a WG4 Issue Paper on the issue of independence between surveillance and navigation sources	Tom Foster	4/5/2004		Closed (WP-STP-2-05)
AI-1-04	2/2/2004	Confirm participation from Bob Saffell and ACSS	Tom Foster	4/5/2004		Closed
AI-1-05	2/2/2004	Attempt to solicit STP participation from UAT/WG5 folks and Airbus	Stuart Searight		STP Subgroup joining EURO Inter-op documentation efforts in June 2005	Closed
AI-1-06	2/2/2004	Availability and feasibility of Boeing providing WebX for meetings	Tony Warren	4/5/2004		Closed -- Listed OBE (Overcome By Events) in Meeting No. 5 Minutes
AI-1-07	2/2/2004	Set up email lists for the STP and possibly ASSAP and CDTI subgroups	Stuart Searight	4/5/2004		Closed
AI-1-08	2/2/2004	Make inquiries within Boeing on the characterization of non-GPS sources, especially from FMS systems	Tony Warren	4/5/2004		Closed (WP-STP-2-08)
AI-1-09	2/2/2004	Investigate GPS sensors that do not output integrity parameters and to see if sensors that do not output accuracy parameters (figures of merit) also needs to be addressed.	Joel Wichgers	4/5/2004	Delivered Issue Paper March 16, 2004	Closed (WP-STP-2-09)
AI-1-10	2/2/2004	Make logistical arrangements for first telecon (March 3, 2004 at 1 p.m. EST)	Stuart Searight	3/1/2004		Closed
AI-1-11	2/2/2004	Allocate the identified ASA MASPS requirements into the STP MOPS outline	Tom Foster	4/5/2004		Closed (WP-STP-1-02a)
AI-2-1	4/5/2004	Update WG4 Issue Paper to allow for capture of topic as ASA, or ASAS, and if ASAS, which subsystem(s) it pertains to.	Michael Petri	5/24/2004		Closed
AI-2-2	4/5/2004	Investigate if resources within Boeing or Rockwell Collins can be utilized to continue Tony's work on deriving accuracy and integrity for non-GPS avionics. (Paul Samanant will support efforts that pertain to Nav systems.)	Brook Assefa, Bob Saffell, Paul Samanant	5/24/2004		OBE (STP Meeting No. 5 @ Rosslyn)

AI-2-4	4/5/2004	Ask SC159 for guidance on how to obtain a per hour undetected failure value for VPL which is now specified as a per landing event number. Also what if this is defined as a 10-6 value.	Joel Wichgers	5/24/2004	Addressed in AI-3-2 MS PowerPoint presentation	Closed
AI-3-1	5/25/2004	Generate first draft of the means by which we assess the error terms for NIC. Establish the criteria and guidelines as to when the assessment is needed.	Joel Wichgers	7/20/2004	Delivered MS PowerPoint presentation "Determining the Reported Containment Bound" on July 20,	Closed
AI-3-2	5/25/2004?	Ask FAA / SC-159 about scaling from SIS from 10-7 / hr. to 10-5 / hr.	Joel Wichgers	7/20/2004	Delivered MS PowerPoint presentation "Horizontal and Vertical Integrity Determination" on July 20, 2004	OBE (STP Meeting No. 5)
AI-3-3	5/25/2004?	Revise close approach analysis considering the benefit of scaling the HIL or HPL to 10-5 when the equipment integrity is only 10-5.	Stan Jones	7/20/2004	Delivered presentation on topic.	Closed
AI-3-4	5/25/2004?	Determine version number requirements for DO-260, DO-260A, and ICAO SARPs.	Don Walker	7/20/2004	Found DO 260A does have a version requirement. Need to have a revison table created and talked about in an issue paper.	Sent email to Jonathan Hammer on this before and after Seattle Interop Meeting
AI-4-1	7/20/2004	Draft an Issue Paper stating need for ASSAP requirement to treat all NIC and NAC values greater than 8 as equal to 8 from data received with version numbers indicating compliance with DO-260, DO- 260A, or DO-282.	Stuart Searight, Don Walker	11/1/2004		Closed (STP Meeting No. 5)
AI-4-2	7/20/2004	Summarize proposal #2 from his scaling of sensor integrity briefing in a manner which can be presented as a request for analysis support. (This will include background of topic, detailed proposal on how's and why's for scaling, and suggested validation work needed on the subject.)	Joel Wichgers	?	Not started … and probably OBE. Waiting for STP subgroup feedback before starting.	OBE
AI-4-3	7/22/2004	Update outline to reflect changes and writing assignments	Tom Foster	11/1/2004		Closed (STP Meeting No. 5)
AI-4-4	7/22/2004	Distribute Boeings RNP documents	Tom Foster	11/1/2004		Closed (STP Meeting No. 5)
AI-4-5	7/22/2004	Coordinate resources and set up a telecon with appropriate Boeing Nav guys regarding quality parameters of RNP GNSS systems	Tony Warren	11/1/2004		OBE
AI-4-6	7/22/2004	Author an Issue Paper proposing the vertical component is not needed for NIC = 9 or NAC = 9 (should only be included for values 10 and higher)	Tony Warren	11/1/2004		OBE
AI-4-7	7/22/2004	Write Issue Paper on both the ASA and ADS-B MASPS regarding need for some type of vertical reference point for higher integrity and accuracy levels	Joel Wichgers	11/1/2004	Draft issue paper completed and distributed to STP subgroup on 01/18/05. Awaiting feedback.	Closed and deferred to next verion of the STP MOPS
AI-4-8	7/22/2004	Submit "Velocity Lag Indicator" proposal as an ASA Issue Paper	Tony Warren	11/1/2004	Issue paper drafted and submitted	Closed

AI-5-1	11/1/2004	Perform analysis to examine if minimum value of NACp and latency for TQL=2 is too loose and – if so – should they be tightened to provide needed data quality for DO-289.	Tony Warren	1/25/2005		OBE
AI-5-2	11/1/2004	Study position error sensitivity associated with maneuvers with respect to recommended error levels where position flags are set to invalid.	Tony Warren	1/25/2005	Presented briefing on the sensitivity study of NACp and NACv encoding that included STP error sources at Meeting No. 6	Closed
AI-5-3	11/1/2004	Study velocity error sensitivity with respect to a recommended error level where velocity flag is set to invalid.	Tony Warren	1/25/2005	Presented briefing on "Velocity Accuracy Metrics" at Meeting No. 7	Closed
AI-5-4	11/3/2004	Create a high-level figure showing the types of inputs and outputs for STP.	Stuart Searight	1/25/2005		OBE
AI-5-5	11/3/2004	Distribute RTCA template and describe that pasting existing material into the template must include "Paste Special" / "Paste as unformatted text".	Stuart Searight	1/25/2005		Closed